



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Premakaran T. Boaz and John Pereira
Application No.: 10/802,387 Group: 1742
Filed: March 17, 2004 Examiner: Not Assigned
Confirmation No.: 3670
For: SOLDER COMPOSITION

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
07/22/04	<i>Ellen T. Spear</i>
Date	Signature
<i>Ellen T. Spear</i>	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
☐ a Statement under 37 CFR 1.97(e), as checked below, or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
☐ a Statement under 37 CFR 1.97(e), as checked below, and
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of the cited references are enclosed.
- ☒ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By


Darrell L. Wong

Registration No.: 36,725

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 7/22/2004

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
2678.2011-000APPLICATION NO.
10/802,387INFORMATION DISCLOSURE CITATION
IN AN APPLICATIONFIRST NAMED INVENTOR
Premakaran T. BoazFILING DATE
March 17, 2004

July 20, 2004

EXAMINER
not assignedCONFIRMATION NO.
not assignedGROUP
not assigned

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	5,066,544	11/19/1991	Betrabet et al.
	AB	5,384,090	01/24/1995	Ogashiwa
	AC	5,918,795	07/06/1999	Yamaguchi et al.
	AD	US 6,253,988 B1	07/03/2001	Pereira
	AE	US 6,319,461 B1	11/20/2001	Domi et al.
	AF	US 6,371,361 B1	04/16/2002	Yamaguchi et al.
	AG			
	AH			
	AI			
	AJ			
	AK			
	AA2			
	AB2			
	AC2			
	AD2			
	AE2			
	AF2			
	AG2			
	AH2			
	AI2			
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION July 20, 2004 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 2678.2011-000		APPLICATION NO. 10/802,387	
	FIRST NAMED INVENTOR Premakaran T. Boaz		FILING DATE March 17, 2004	
	EXAMINER not assigned	CONFIRMATION NO. not assigned	GROUP not assigned	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR		Lee, N.-C., "Getting Ready for Lead-free Solders," <i>Soldering & Surface Mount Technology</i> , 26: 64-69 (July 1997).
AS		Hwang, J.S., "Lead-free Solders," <i>Modern Solder Technology for Competitive Electronics Manufacturing</i> , Chapter 15: pp. 483-509, McGraw-Hill (1996).
AT		Beal, RE. and Bader, W.G., "Soldering," Chapter in book, Edited by O'Brien, R.L., <i>Welding Handbook</i> , vol. 2, Chapter 13: pp. 423-447 (1991).
AU		
AV		
AW		
AX		
AY		
AZ		
AR2		
AS2		
AT2		
AU2		
AV2		
AW2		
AX2		

EXAMINER	DATE CONSIDERED
----------	-----------------